

279-3259

04/17/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 17, 2013

Ms. Melinda Bowman
FMC Corporation
1735 Market Street
Philadelphia, PA 19103

**Subject: Amended Reregistration Label Zeta- Cyp Dust Insecticide
D406233
EPA Registration No.279-3259**

Dear Ms. Bowman:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the referenced product in connection with the **Piperonyl Butoxide RED**, and has concluded that your submission is acceptable.

PLEASE NOTE: This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

PLEASE NOTE: That the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSF's are superseded.

- Basic CSF dated: September 27, 2012
- Alt CSF dated: September 27, 2012

A copy of your label stamped Acceptable is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any questions about this letter, please contact Linda A. DeLuise at (703) 305-5428 or via e-mail at deluise.linda@epa.gov or Mr. Richard J. Gebken at (703) 305-6701 or via e-mail at Gebken.Richard@epa.gov.

Sincerely yours,



Richard Gebken
Product Manager 10
Insecticide Branch
Registration Division (7505P)

Enclosure: Label stamped Accepted dated: April 17, 2013

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Zeta-Cyp Dust® Insecticide

For Use by Licensed Pest Control Operators.

For use indoors and outdoors for residential, institutional, public, commercial, and industrial buildings, greenhouses (non-commercial), non-food/feed areas of food/feed handling establishments, granaries, and lawns, ornamentals, parks, recreational areas and athletic fields:

EPA Reg. No. 279-3259

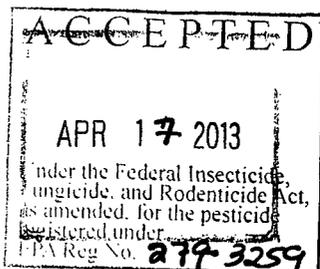
EPA Est. 279-

Active Ingredient:	By Wt.
Zeta-Cypermethrin*	0.075%
Piperonyl Butoxide.....	0.150%
Other Ingredients:.....	99.775%
	100.0%

**Cis/trans ratio: Max. 55% (±) cis and min. 45% (±) trans

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-(800)-331-3148 for Emergency Assistance.	
NOTE TO PHYSICIAN	
This product contains a pyrethroid. Skin contact may be followed by transient tingling or numbness, usually of the face, but this subsides without treatment.	
For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).	



FMC
FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia PA 19103

Net Contents:

PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals)

Caution
Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE)
Loaders, applicators, and other handlers must wear the following:

- Long sleeve shirt
- Long pants
- Shoes and socks
- Chemical resistant gloves (such as those made out of any waterproof material, Selection Category A)

Environmental Hazards

This product is toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL	
Do not contaminate water, food, or feed, by storage and disposal.	
Pesticide Storage	
Do not freeze. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, close tightly.	
In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call CHEMTREC: (800) 424-9300.	
To confine spill: Cover to prevent dispersal. Place damaged package in a holding container. Identify contents.	
Pesticide Disposal	
Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.	
Container Handling	
Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available, or puncture and dispose of container in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.	

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climate modification and being grown in interior plantscapes, ornamental gardens or parks, or lawns or grounds.

This product is a ready to use insecticide for use against the listed pests when used in accordance with the label directions.

For pest control in and on buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use include (but are not limited to): industrial buildings and installations; houses; apartment buildings; laboratories; buses; greenhouses (non-commercial); mausoleums; sewers and underground tunnels; telecommunication conduits; utility vaults and conduits; and the nonfood/feed areas of stores, warehouses, vessels, railcars, trucks, trailers, aircraft (do not use in aircraft cabins), theaters, schools, nursing homes, hospitals, restaurants, hotels, and food manufacturing, processing, and servicing establishments.

This product is intended for applications with hand or power duster, with a paintbrush or by other suitable means, to hiding and runway areas and other places where insects are found.

To apply this product directly into cracks and crevices, use a bulbous duster or other suitable equipment. Apply lightly and uniformly to infested area. Pay particular attention to cracks and crevices; service ducts; false floors and ceilings; wall voids; around electrical and telephone fittings and equipment; around water and sewer pipes; under and behind cabinets; refrigerators and sinks; around windows and doorframes; along baseboards; in attics and crawlspaces. The amount to be applied will vary with the site but should usually be in

the range of 0.05 to 0.07 ounces per square yard (1.58 to 2.4 grams per square meter or 0.32 to 0.5 pounds per 1,000 square feet).

For indoor/outdoor uses: Repeat application only if there are signs of renewed insect activity. Repeat application should be limited to no more than once per 7 days.

INDOOR USE

Use this product to kill ants (including Imported Fire Ants), bedbugs, boxelder bugs, carpet beetles, centipedes, cockroaches, crickets, earwigs, firebrats, fleas, ground beetles, millipedes, silverfish, slugs, sow bugs, spiders (except black widow and brown recluse spiders), springtails, stink bugs, termites and wasps (except paper wasps), and webbing clothes moths.

Food Handling Establishments: Places other than private residences in which food is held, processed, prepared or served. Applications are permitted as a spot or crack and crevice treatment.

Nonfood Areas: Includes garbage rooms, lavatories, floor drains, (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling). *Zeta-Cyp Dust Insecticide* may be used as a general spot, crack and crevice treatment in nonfood areas. All areas where insects inhabit or through which insects may enter should be treated.

Food Areas: Do not use in food/feed areas of food handling establishments, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food/feed is exposed or facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms, but excluding areas where foods may be prepared or held. In the home, all food processing surfaces, and utensils should be covered during treatment or thoroughly washed before use. Exposed food/feed should be covered or removed. Not for use in Federally Inspected meat and poultry plants.

Examples of food areas are areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage, and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas (when food is exposed and facility is in operation) also would be considered a food area.

Crack and Crevice Treatments

Apply dust in small amounts, using a Centrobulb hand duster or other suitable equipment, directly into cracks and crevices. Pay particular attention to areas where pests hide or inhabit, such as: around baseboards and in closets; around sewer and water pipes, doors and windows; behind and under refrigerators, cabinets, sinks, stoves and other equipment; in electrical outlets; around electrical and telephone fittings and equipment; and under drawers and similar areas. Make applications in a manner to avoid deposits on exposed surfaces on introducing the excess material into the air.

Void Treatments

This product may also be applied as a void treatment using suitable equipment. Be sure to thoroughly treat service ducts, false floors and ceilings, wall voids, attics and crawl spaces. The amount of dust to be applied will vary with the site but should usually be in the range of 0.05 to 0.07 ounces per square yard (1.58 to 2.4 grams per square meter or 0.32 to 0.5 pounds per 1,000 square feet).

Ants, boxelder bugs, cockroaches, crickets, fleas, firebrats, silverfish and stink bugs: Apply *Zeta-Cyp Dust Insecticide* thoroughly to all areas where these pests crawl and hide, especially in those areas described above. For ants, apply to ant trails, around doors and windows and other places where ants enter the premises.

Termites, carpenter ants and carpenter bees:

Apply to voids or channels in damaged wooden members of a structure; to cracks, spaces or bearing joints between wooden members of a structure; or between such members and the foundation; and in locations vulnerable to termite attack. Drilling may be necessary prior to applying *Zeta-Cyp Dust Insecticide* in these locations, but it must be recognized that such drilling and treating of timber in a particular location may not result in complete coverage of infested and vulnerable voids or galleries. Drilling directly overhead with subsequent application of *Zeta-Cyp Dust Insecticide* should be avoided. This product is intended to kill workers and/or winged reproductive forms of termites present at the time of application only. Application of this product will not provide structural protection nor substitute for mechanical alteration, soil or foundation treatment with termiticide. This product is not to be used as sole protection against termites, as it is not intended for use for elimination of termite infestations nor for protection against future infestations. A professional inspection is recommended.

Centipedes, ground beetles, millipedes, spiders (except black widow and brown recluse spiders) and sow bugs: Apply *Zeta-Cyp Dust Insecticide* along and behind baseboards, to window and door frames, corners, pipes, storage locations, attics, crawl spaces, and other areas into which these pests may enter or crawl.

Bees and Wasps (except paper wasps): It is generally advisable to treat bee and wasp nests in the evening when insects are less active and have returned to the nest. Wear protective clothing if deemed

necessary to avoid stings. Using hand or power duster or other suitable means, with extension tubes if necessary, thoroughly dust nest, entrance and surrounding areas where insects alight. For ground wasps, dust entrance and surrounding areas.

Webbing clothes moths: Use *Zeta-Cyp Dust Insecticide* as a crack and crevice treatment in closets and other storage areas where these pests are found. This is an adjunct treatment and will not control moth larvae already on the clothes. **DO NOT** apply this product directly to clothing.

Carpet beetles (black, furniture, common and varied):

Dust where these insects are found, for example: on and under edges of floor coverings, around baseboards, under rugs and furniture, and in closets.

Bed bugs: Apply 0.05 to 0.07 ounces of *Zeta-Cyp Dust* per square yard (1.58 to 2.4 grams per square meter) to cracks and crevices where evidence of bed bugs occurs. This includes bed frames, box springs, inside empty dressers and clothes closets and carpet edges, high and low wall moldings and wallpaper edges. Do not use this product on mattresses, pillows, bed linens, or clothes. Remove all clothes and other articles from dressers or clothes closets before application. Allow all treated areas to dry thoroughly before use. Not recommended for use as sole protection against bedbugs. If evidence of bedbugs is found in/on mattresses, use products approved for this use.

Stored product pests:

To aid in the control of the exposed stages of:

- | | |
|------------------------|---------------------------|
| cadelles | merchant grain beetles |
| cheese mites | red flour beetles |
| cigarette beetles | rice weevils |
| confused flour beetles | rusty grain beetles |
| dark meal worms | saw-toothed grain beetles |
| drugstore beetles | spider beetles |
| grain mites | tobacco moths |
| granary weevils | yellow mealworms |
| lesser grain borers | |

Clean up waste materials, dust, dirt and other debris. Thoroughly treat floors, walls and other surfaces in storage and handling areas. Apply *Zeta-Cyp Dust Insecticide* in cracks and crevices, behind and under cupboards, and other difficult to reach areas where insects may hide. **DO NOT** apply directly on food/feed, utensils or on areas where food/feed is stored.

OUTDOOR USE

Use this product to kill ants (including Imported Fire Ants), centipedes, cockroaches, crickets, earwigs, firebrats, ground beetles, millipedes, silverfish, slugs, sow bugs, spiders (except black widow and brown recluse spiders), springtails, stink bugs, termites, bees and wasps (except paper wasps). Apply with hand or power duster, with a paintbrush or by other suitable means, around windows and doors, porches, screens, eaves, patios, garages, under stairways, in crawl spaces and other areas where pests hide.

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- (1) Treatment to soil or vegetation around structures;
- (2) Application to lawns, turf, and other vegetation;
- (3) Application to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.

Telecommunication Treatment: Apply this product into telecommunication conduits, cracks and crevices, junction boxes, etc. using suitable application equipment. The amount of this product to be applied will vary, but should usually be approximately 0.67 grams of dust per cubic foot of conduit.

This product can be used in areas showing signs of active infestations, such as underground telecommunication cable conduits, electrical cable conduits, junction boxes and manholes. Apply dust through suitable application equipment that is capable of delivering particles suspended in a low pressure air system. Applications should be made from both ends of a run of open conduit in cases where breakdown in the conduit is suspected. This product can also be applied directly to the interior of the conduits after cables have been installed. Apply at the rate of 0.67 grams of dust per cubic foot of conduit using equipment that is capable of delivering particles suspended in a low-pressure air system.

Ants, Bees, Carpenter Ants, Carpenter Bees, Termites and Wasps (except paper wasps): Apply to voids or channels in damaged wooden members of a structure; to cracks, spaces or bearing joints between wooden members of a structure; or between such members and the foundation; expanded foam and insulation of

a structure; or between such members; and in locations vulnerable to termite attack. Drilling may be necessary prior to applying this product in these locations, but it must be recognized that such drilling and treating of timber in a particular location may not result in complete coverage of infested and vulnerable voids or galleries. This product can be applied in attics and crawl spaces at a rate of 0.32 to 0.5 pounds per 1,000 square feet of floor area. In these treatments, all vents and blowers should be closed. Repeat application only if there are signs of renewed insect activity. This product is intended to kill workers and/or winged reproductive forms of termites present at the time of application only. Application of this product will not provide structural protection nor substitute for mechanical alteration, soil or foundation treatment with termiticide. This product is not to be used as sole protection against termites, as it is not intended for use for elimination of termite infestations nor for protection against future infestations. A professional inspection is recommended.

Arboreal Ants: Ants inhabiting trees or tree stumps may be treated by injecting dust directly into the opening in the tree used by foraging ants or by drilling holes in the tree for the injection of dust into voids within the tree.

Ornamental Plant Pests: aphids, beet armyworms, blister beetles, boxelder bugs, elm leaf beetle, flea beetles, Japanese beetles, leafhoppers, leafminers (Boxwood, Holly, Oak,

Spruce Needle), leafrollers, orange tortrix, periodical cicada, plant bugs, rose chafer, rose midges, stink bugs tent caterpillars, thrips, and weevils.

Shrubs and Ornamentals: Apply when insects or their damage first appear and repeat at weekly intervals or as necessary. Apply 0.32 to 0.5 pounds per 1000 square feet, or thoroughly apply a thin layer of dust on both upper and lower sides of leaves, stems and flowers.

Roses, petunias, chrysanthemums, geraniums, carnations and other related flowers: Apply as soon as the insect appears and repeat at 7 day intervals or as long as insects continue to appear. Apply a thin layer of dust on both upper and lower sides of leaves, stems and flowers.

Sewer Treatment: Cockroach infestations in sanitary sewers may be treated with *Zeta-Cyp Dust Insecticide* to provide quick knockdown and short-term population suppression. When treating sewers, one manhole per 200 linear feet should be treated. Treatments are made by removing the manhole cover and replacing with a disc of plywood bored to receive the typical flexible hose from portable or truck-mounted ventilating equipment. Apply 1-2 ounces of dust into the ventilating air to be dispersed quickly and thoroughly through the system.

ATTENTION

- Do not apply this product to edible crops.
- Protect aquariums from dust.
- Do not treat pets with this product.
- During any application to overhead interior areas of structure, cover surface below with plastic shielding or similar material.
- Do not apply in patient rooms while occupied or in any rooms while occupied by the elderly or infirm.
- Do not apply to classrooms when in use.
- Do not apply to institutions (including libraries, sports facilities, etc.) in the immediate area when occupants are present.
- Do not use in warehouses where raw or cured tobacco is stored.
- Do not use in warehouses while raw agricultural commodities for food or feed are being stored.
- Do not use in greenhouses (non-commercial) where crops for food or feed are grown.
- Use of handheld power duster equipment is prohibited.
- Aerial applications are prohibited.
- Only apply as a spot treatment to areas no greater than 3 feet by 3 feet per room.

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and to the extent consistent with applicable law, Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and to the extent consistent with applicable law, buyer assumes the risk of any such use.

To the extent consistent with applicable law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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4/17/2013